Arthur N Popper

List of Publications by Year
in descending order

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221 papers	12,267 citations	25423 59 h-index	36203 101 g-index
247 all docs	247 docs citations	247 times ranked	4207 citing authors

#	Article	IF	Citations
1	Fish hearing â€œspecializationâ€•â€“ a re-evaluation. Hearing Research, 2022, 425, 108393.	0.9	32
2	Offshore wind energy development: Research priorities for sound and vibration effects on fishes and aquatic invertebrates. Journal of the Acoustical Society of America, 2022, 151, 205-215.	0.5	28
3	The Sound World of Zebrafish: A Critical Review of Hearing Assessment. Zebrafish, 2022, 19, 37-48.	0.5	6
4	Physical effects of sound exposure from underwater explosions on Pacific mackerel (<i>Scomber) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 (3947-3956.	0.5	8
5	Substrate vibrations and their potential effects upon fishes and invertebrates. Journal of the Acoustical Society of America, 2021, 149, 2782-2790.	0.5	38
6	Sound Impact Studies: A Reply to Risch et al.. Trends in Ecology and Evolution, 2021, 36, 382-384.	4.2	2
7	Fish hearing and how it is best determined. ICES Journal of Marine Science, 2021, 78, 2325-2336.	1.2	27
8	Use of sound to guide the movement of eels and other fishes within rivers: a critical review. Reviews in Fish Biology and Fisheries, 2020, 30, 605-622.	2.4	13
9	Colleagues as friends. ICES Journal of Marine Science, 2020, 77, 2033-2042.	1.2	5
10	Introduction to the special issue on the effects of sound on aquatic life. Journal of the Acoustical Society of America, 2020, 148, 934-938.	0.5	9
11	Physical effects of sound exposure from underwater explosions on Pacific sardines (<i>Sardinops) Tj ETQq1 1 0.784314 rgBT /Overlock	0.5	24
12	How to set sound exposure criteria for fishes. Journal of the Acoustical Society of America, 2020, 147, 1762-1777.	0.5	29
13	Taking the Animalsâ€™ Perspective Regarding Anthropogenic Underwater Sound. Trends in Ecology and Evolution, 2020, 35, 787-794.	4.2	48
14	Sound detection by Atlantic cod: An overview. Journal of the Acoustical Society of America, 2020, 148, 3027-3041.	0.5	10
15	Fish: Hearing, Lateral Lines (Mechanisms, Role in Behavior, Adaptations to Life Underwater). , 2019, , 270-276.		0
16	Examining the hearing abilities of fishes. Journal of the Acoustical Society of America, 2019, 146, 948-955.	0.5	60
17	Overview of the Fifth International Conference on the Effects of Noise on Aquatic Life. Proceedings of Meetings on Acoustics, 2019, , .	0.3	3
18	An overview of fish bioacoustics and the impacts of anthropogenic sounds on fishes. Journal of Fish Biology, 2019, 94, 692-713.	0.7	230

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19	The pioneering contributions of Per Stockfleth Enger to fish bioacoustics. Journal of the Acoustical Society of America, 2019, 145, 1596-1599.	0.5	3
20	Discovery of sound in the sea: Communicating underwater acoustics research to decision makers. Proceedings of Meetings on Acoustics, 2019, , .	0.3	1
21	The importance of particle motion to fishes and invertebrates. Journal of the Acoustical Society of America, 2018, 143, 470-488.	0.5	173
22	Directional hearing and sound source localization by fishes. Journal of the Acoustical Society of America, 2018, 144, 3329-3350.	0.5	55
23	Effects of Man-Made Sound on Fishes. Springer Handbook of Auditory Research, 2018, , 145-177.	0.3	25
24	Man-Made Sounds and Animals. Springer Handbook of Auditory Research, 2018, , 1-22.	0.3	2
25	A sound approach to assessing the impact of underwater noise on marine fishes and invertebrates. ICES Journal of Marine Science, 2017, 74, 635-651.	1.2	139
26	Onset of barotrauma injuries related to number of pile driving strike exposures in hybrid striped bass. Journal of the Acoustical Society of America, 2017, 141, 4380-4387.	0.5	10
27	Overview of the Fourth International Conference on the Effects of Noise on Aquatic Life. Proceedings of Meetings on Acoustics, 2016, , .	0.3	4
28	Discovery of sound in the sea: Resources for decision makers. Proceedings of Meetings on Acoustics, 2016, , .	0.3	1
29	Auditory sensitivity in aquatic animals. Journal of the Acoustical Society of America, 2016, 139, 3097-3101.	0.5	6
30	Short- and long-term monitoring of underwater sound levels in the Hudson River (New York, USA). Journal of the Acoustical Society of America, 2016, 139, 1886-1897.	0.5	27
31	Comparative Hearing: Honoring Dick Fay. Proceedings of Meetings on Acoustics, 2016, , .	0.3	0
32	Implementing multiple digital platforms to effectively communicate research on underwater acoustics. Proceedings of Meetings on Acoustics, 2016, , .	0.3	0
33	Some lessons from the effects of highway noise on birds. Proceedings of Meetings on Acoustics, 2016, , .	0.3	11
34	A Change in the Use of Regulatory Criteria for Assessing Potential Impacts of Sound on Fishes. Advances in Experimental Medicine and Biology, 2016, 875, 497-503.	0.8	0
35	Methods for Predicting Potential Impacts of Pile-Driving Noise on Endangered Sturgeon During Bridge Construction. Advances in Experimental Medicine and Biology, 2016, 875, 565-572.	0.8	2
36	Pile Driving at the New Bridge at Tappan Zee: Potential Environmental Impacts. Advances in Experimental Medicine and Biology, 2016, 875, 861-870.	0.8	0

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37	Effects of Impulsive Pile-Driving Exposure on Fishes. Advances in Experimental Medicine and Biology, 2016, 875, 125-132.	0.8	1
38	Auditory Evoked Potential Audiograms Compared with Behavioral Audiograms in Aquatic Animals. Advances in Experimental Medicine and Biology, 2016, 875, 1049-1056.	0.8	31
39	Effects of Seismic Air Guns on Pallid Sturgeon and Paddlefish. Advances in Experimental Medicine and Biology, 2016, 875, 871-878.	0.8	2
40	Discovery of Sound in the Sea: Resources for Educators, Students, the Public, and Policymakers. Advances in Experimental Medicine and Biology, 2016, 875, 1183-1190.	0.8	0
41	Parvulescu Revisited: Small Tank Acoustics for Bioacousticians. Advances in Experimental Medicine and Biology, 2016, 875, 933-941.	0.8	67
42	â€œLargeâ€•Tank Acoustics: How Big Is Big Enough?. Advances in Experimental Medicine and Biology, 2016, 875, 363-369.	0.8	16
43	Developing Sound Exposure Criteria for Fishes. Advances in Experimental Medicine and Biology, 2016, 875, 431-439.	0.8	6
44	It Started in Hawaiâ€™i Kai: Reminiscences of 43 Years (and Counting) of Collaboration and Friendship. Advances in Experimental Medicine and Biology, 2016, 877, 31-51.	0.8	2
45	Effects of Exposure to the Sound from Seismic Airguns on Pallid Sturgeon and Paddlefish. PLoS ONE, 2016, 11, e0159486.	1.1	10
46	Changes in Fish Catch Rates in the Presence of Air Gun Sounds in Prudhoe Bay, Alaska. Arctic, 2016, 69, 346.	0.2	7
47	Avoidance of Pile-Driving Noise by Hudson River Sturgeon During Construction of the New NY Bridge at Tappan Zee. Advances in Experimental Medicine and Biology, 2016, 875, 555-563.	0.8	2
48	Hearing thresholds of swimming Pacific bluefin tuna Thunnus orientalis. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2015, 201, 441-454.	0.7	8
49	Information gaps in understanding the effects of noise on fishes and invertebrates. Reviews in Fish Biology and Fisheries, 2015, 25, 39-64.	2.4	161
50	The sensory world of fish and fisheries: Impact of human activitiesâ€“An international conference to evaluate the effects of environmental changes on the sensory world of fish/aquatic animals and fisheries. Integrative Zoology, 2015, 10, 1-3.	1.3	6
51	Effects of noise on fishes: What we can learn from humans and birds. Integrative Zoology, 2015, 10, 29-37.	1.3	27
52	Hearing â€“ A General Overview. SpringerBriefs in Oceanography, 2014, , 7-13.	0.1	1
53	ASA S3/SC1.4 TR-2014 Sound Exposure Guidelines for Fishes and Sea Turtles: A Technical Report prepared by ANSI-Accredited Standards Committee S3/SC1 and registered with ANSI. SpringerBriefs in Oceanography, 2014, , .	0.1	43
54	Sound Exposure Guidelines. SpringerBriefs in Oceanography, 2014, , 33-51.	0.1	12

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55	From Cave Fish to Pile Driving: A Tail of Fish Bioacoustics. Springer Handbook of Auditory Research, 2014, , 467-492.	0.3	6
56	Effects of Sound Exposure. SpringerBriefs in Oceanography, 2014, , 17-21.	0.1	2
57	The Nature of Man-Made Sound. SpringerBriefs in Oceanography, 2014, , 23-32.	0.1	3
58	Research Recommendations. SpringerBriefs in Oceanography, 2014, , 53-57.	0.1	0
59	Interspecific Variations of Inner Ear Structure in the Deepâ€Sea Fish Family Melamphaidae. Anatomical Record, 2013, 296, 1064-1082.	0.8	28
60	Threshold of hearing for swimming Bluefin tuna (Thunnus orientalis). Proceedings of Meetings on Acoustics, 2013, , .	0.3	3
61	Effects of exposure to pile driving sounds on fish inner ear tissues. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2013, 166, 352-360.	0.8	69
62	Effects of low-frequency naval sonar exposure on three species of fish. Journal of the Acoustical Society of America, 2013, 134, EL205-EL210.	0.5	12
63	Recovery of Barotrauma Injuries Resulting from Exposure to Pile Driving Sound in Two Sizes of Hybrid Striped Bass. PLoS ONE, 2013, 8, e73844.	1.1	46
64	Coding of sound direction in the auditory periphery of the lake sturgeon,Acipenser fulvescens. Journal of Neurophysiology, 2012, 107, 658-665.	0.9	18
65	Assessment of Barotrauma Injury and Cumulative Sound Exposure Level in Salmon After Exposure to Impulsive Sound. Advances in Experimental Medicine and Biology, 2012, 730, 235-237.	0.8	5
66	Effects of exposure to pile-driving sounds on the lake sturgeon, Nile tilapia and hogchoker. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 4705-4714.	1.2	87
67	Fish Hearing: New Perspectives from Two â€˜Seniorâ€™ Bioacousticians. Brain, Behavior and Evolution, 2012, 79, 215-217.	0.9	34
68	Effects of mid-frequency active sonar on hearing in fish. Journal of the Acoustical Society of America, 2012, 131, 599-607.	0.5	40
69	Threshold for Onset of Injury in Chinook Salmon from Exposure to Impulsive Pile Driving Sounds. PLoS ONE, 2012, 7, e38968.	1.1	112
70	Recovery of Barotrauma Injuries in Chinook Salmon, Oncorhynchus tshawytscha from Exposure to Pile Driving Sound. PLoS ONE, 2012, 7, e39593.	1.1	42
71	Are Sharks Even Bothered by a Noisy Environment?. Advances in Experimental Medicine and Biology, 2012, 730, 93-97.	0.8	16
72	Impacts of River-Based Air Gun Seismic Activity on Northern Fishes. Advances in Experimental Medicine and Biology, 2012, 730, 367-369.	0.8	4

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73	The inner ear and its coupling to the swim bladder in the deep-sea fish Antimora rostrata (Teleostei:) Tj ETQq1 1 0.784314 rgBT /Overlock	0.6	28
74	Rethinking sound detection by fishes. Hearing Research, 2011, 273, 25-36.	0.9	320
75	Exposure of fish to highâ€intensity sonar does not induce acute pathology. Journal of Fish Biology, 2010, 76, 1825-1840.	0.7	19
76	Frequency tuning and intensity coding of sound in the auditory periphery of the lake sturgeon, Acipenser fulvescens. Journal of Experimental Biology, 2010, 213, 1567-1578.	0.8	21
77	A noisy spring: the impact of globally rising underwater sound levels on fish. Trends in Ecology and Evolution, 2010, 25, 419-427.	4.2	718
78	The influence of ambient temperature and thermal acclimation on hearing in a eurythermal and a stenothermal otophysan fish. Journal of Experimental Biology, 2009, 212, 3091-3099.	0.8	43
79	The effects of humanâ€generated sound on fish. Integrative Zoology, 2009, 4, 43-52.	1.3	127
80	New perspectives in fish evolution and neurobiology. Integrative Zoology, 2009, 4, 1-2.	1.3	1
81	The effects of anthropogenic sources of sound on fishes. Journal of Fish Biology, 2009, 75, 455-489.	0.7	330
82	Hearing Sensitivity of the Walleye Pollock. Transactions of the American Fisheries Society, 2009, 138, 1000-1008.	0.6	21
83	Barging Effects on Sensory Systems of Chinook Salmon Smolts. Transactions of the American Fisheries Society, 2009, 138, 777-789.	0.6	18
84	Introduction to Fish Bioacoustics. , 2008, , 1-15.		10
85	Hearing and Acoustic Behavior: Basic and Applied Considerations. , 2008, , 17-48.		40
86	The inner ears of Northern Canadian freshwater fishes following exposure to seismic air gun sounds. Journal of the Acoustical Society of America, 2008, 124, 1360-1366.	0.5	35
87	EFFECTS OF ANTHROPOGENIC SOUNDS ON FISH. Bioacoustics, 2008, 17, 214-217.	0.7	1
88	DETERMINATION OF THE EFFECTS OF SEISMIC EXPLORATION ON FISH (PROJECT SEIFISH). Bioacoustics, 2008, 17, 212-214.	0.7	0
89	INTRODUCTION: INTERNATIONAL CONFERENCE ON THE EFFECTS OF NOISE ON AQUATIC LIFE. Bioacoustics, 2008, 17, 1-3.	0.7	13
90	EFFECTS OF EXPOSURE TO PILE-DRIVING SOUNDS ON FISH. Bioacoustics, 2008, 17, 305-307.	0.7	0

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91	The effects of high-intensity, low-frequency active sonar on rainbow trout. Journal of the Acoustical Society of America, 2007, 122, 623-635.	0.5	85
92	Effects of aquaculture production noise on hearing, growth, and disease resistance of rainbow trout Oncorhynchus mykiss. Aquaculture, 2007, 272, 687-697.	1.7	106
93	Myosin VI and VIIa distribution among inner ear epithelia in diverse fishes. Hearing Research, 2007, 224, 15-26.	0.9	23
94	The effect of vaterite deposition on sound reception, otolith morphology, and inner ear sensory epithelia in hatchery-reared Chinook salmon (Oncorhynchus tshawytscha). Canadian Journal of Fisheries and Aquatic Sciences, 2007, 64, 1469-1478.	0.7	71
95	Minimizing noise in fiberglass aquaculture tanks: Noise reduction potential of various retrofits. Aquacultural Engineering, 2007, 37, 125-131.	1.4	29
96	Audition in sciaenid fishes with different swim bladder-inner ear configurations. Journal of the Acoustical Society of America, 2006, 119, 439-443.	0.5	59
97	Bioacoustics of Fishes of the Family Sciaenidae (Croakers and Drums). Transactions of the American Fisheries Society, 2006, 135, 1409-1431.	0.6	170
98	Structure of the inner ear of bluefin tuna Thunnus thynnus. Journal of Fish Biology, 2006, 68, 1767-1781.	0.7	17
99	Zebrafishpax5 regulates development of the utricular macula and vestibular function. Developmental Dynamics, 2006, 235, 3026-3038.	0.8	57
100	Anatomical and functional recovery of the goldfish (Carassius auratus) ear following noise exposure. Journal of Experimental Biology, 2006, 209, 4193-4202.	0.8	127
101	Structural variation in the inner ears of four deep-sea elopomorph fishes. Journal of Morphology, 2005, 265, 215-225.	0.6	33
102	Effects of exposure to seismic airgun use on hearing of three fish species. Journal of the Acoustical Society of America, 2005, 117, 3958-3971.	0.5	173
103	Why otoliths? Insights from inner ear physiology and fisheries biology. Marine and Freshwater Research, 2005, 56, 497.	0.7	229
104	Pacific herring hearing does not include ultrasound. Biology Letters, 2005, 1, 158-161.	1.0	34
105	Neuronal Encoding of Ultrasonic Sound by a Fish. Journal of Neurophysiology, 2004, 91, 2590-2597.	0.9	17
106	Masked auditory thresholds in sciaenid fishes: A comparative study. Journal of the Acoustical Society of America, 2004, 116, 1687-1691.	0.5	37
107	Response of clupeid fish to ultrasound: a review. ICES Journal of Marine Science, 2004, 61, 1057-1061.	1.2	50
108	Acoustical stress and hearing sensitivity in fishes: does the linear threshold shift hypothesis hold water?. Journal of Experimental Biology, 2004, 207, 3591-3602.	0.8	102

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109	Noise-induced stress response and hearing loss in goldfish (Carassius auratus). Journal of Experimental Biology, 2004, 207, 427-435.	0.8	239
110	The inner ear of the lungfishProtopterus. Journal of Comparative Neurology, 2004, 471, 277-288.	0.9	36
111	Form and function in the unique inner ear of a teleost: The silver perch (Bairdiella chrysoura). Journal of Comparative Neurology, 2004, 475, 531-539.	0.9	58
112	Parallel Evolution in Fish Hearing Organs. Springer Handbook of Auditory Research, 2004, , 95-127.	0.3	92
113	Evolution of Sensory Hair Cells. Springer Handbook of Auditory Research, 2004, , 55-94.	0.3	37
114	Sound Detection Mechanisms and Capabilities of Teleost Fishes. , 2003, , 3-38.		145
115	High intensity anthropogenic sound damages fish ears. Journal of the Acoustical Society of America, 2003, 113, 638-642.	0.5	272
116	Development of form and function in peripheral auditory structures of the zebrafish (Danio rerio). Journal of the Acoustical Society of America, 2003, 113, 1145-1154.	0.5	114
117	Effects of Anthropogenic Sounds on Fishes. Fisheries, 2003, 28, 24-31.	0.6	156
118	Evasive responses of American shad (Alosa sapidissima) to ultrasonic stimuli. Acoustics Research Letters Online: ARLO, 2003, 4, 25-30.	0.7	40
119	Anthropogenic Sound: Effects on the Behavior and Physiology of Fishes. Marine Technology Society Journal, 2003, 37, 35-40.	0.3	121
120	Factors Affecting the Responses of Marine Mammals to Acoustic Disturbance. Marine Technology Society Journal, 2003, 37, 6-15.	0.3	52
121	DISTRIBUTION OF UNCONVENTIONAL MYOSINS IN THE ZEBRAFISH EAR. Bioacoustics, 2002, 12, 140-142.	0.7	1
122	ULTRASOUND DETECTION BY CLUPEIFORM FISHES. Bioacoustics, 2002, 12, 188-191.	0.7	5
123	PRELIMINARY EVIDENCE FOR THE USE OF SOUND TO DECREASE LOSSES OF AQUATIC ORGANISMS AT A POWER PLANT COOLING WATER INTAKE. Bioacoustics, 2002, 12, 306-307.	0.7	1
124	STRUCTURE-FUNCTION RELATIONSHIPS IN THE EARS OF FISHES. Bioacoustics, 2002, 12, 114-118.	0.7	2
125	IN VITRO WHOLE BRAIN PREPARATION OF FISH FOR THE ELECTROPHYSIOLOGICAL ANALYSIS OF SENSORY PATHWAYS. Bioacoustics, 2002, 12, 328-330.	0.7	1
126	FISH BIOACOUSTICS: INTRODUCTION. Bioacoustics, 2002, 12, 98-101.	0.7	1

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127	NEURONAL AND BEHAVIOURAL RESPONSES OF AMERICAN SHADALOSA SAPIDISSIMATO ULTRASOUND STIMULI. Bioacoustics, 2002, 12, 191-193.	0.7	4
128	AN OVERVIEW OF THE APPLIED USE OF SOUND IN FISHERIES AND FISH BIOLOGY. Bioacoustics, 2002, 12, 302-305.	0.7	3
129	Age- and Size-Related Changes in the Inner Ear and Hearing Ability of the Adult Zebrafish (Danio rerio). JARO - Journal of the Association for Research in Otolaryngology, 2002, 3, 174-184.	0.9	138
130	Comparison of the inner ear ultrastructure between teleost fishes using different channels for communication. Hearing Research, 2001, 154, 62-72.	0.9	28
131	Acoustic detection and communication by decapod crustaceans. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2001, 187, 83-89.	0.7	176
132	Neural response directionality correlates of hair cell orientation in a teleost fish. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2001, 187, 453-465.	0.7	50
133	Hair Cell Death in a Hearing-Deficient Canary. , 2001, 2, 79-86.		15
134	Sciaenid Inner Ears: A Study in Diversity. Brain, Behavior and Evolution, 2001, 58, 152-162.	0.9	48
135	Ultrasound detection by clupeiform fishes. Journal of the Acoustical Society of America, 2001, 109, 3048-3054.	0.5	185
136	Structure and function in the saccule of the goldfish (Carassius auratus): a model of diversity in the non-amniote ear. Hearing Research, 2000, 143, 1-13.	0.9	50
137	Evolution of hearing in vertebrates: the inner ears and processing. Hearing Research, 2000, 149, 1-10.	0.9	220
138	Dendritic arbors on the saccule and lagena in the ear of the goldfish, Carassius auratus. Hearing Research, 2000, 141, 229-242.	0.9	11
139	Structureâ€“function relationships in fish otolith organs. Fisheries Research, 2000, 46, 15-25.	0.9	183
140	Hair cell heterogeneity and ultrasonic hearing: recent advances in understanding fish hearing. Philosophical Transactions of the Royal Society B: Biological Sciences, 2000, 355, 1277-1280.	1.8	35
141	The Auditory Periphery in Fishes. Springer Handbook of Auditory Research, 1999, , 43-100.	0.3	124
142	Acoustic Communication in Fishes and Frogs. Springer Handbook of Auditory Research, 1999, , 363-411.	0.3	84
143	Proliferation of vertebrate inner ear supporting cells. , 1999, 39, 527-535.		29
144	Morphological polarizations of sensory hair cells in the three otolithic organs of a teleost fish: fluorescent imaging of ciliary bundles. Hearing Research, 1998, 126, 47-57.	0.9	62

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145	Detection of ultrasonic tones and simulated dolphin echolocation clicks by a teleost fish, the American shad (Alosa sapidissima). Journal of the Acoustical Society of America, 1998, 104, 562-568.	0.5	98
146	Application of Sound and other Stimuli to Control Fish Behavior. Transactions of the American Fisheries Society, 1998, 127, 673-707.	0.6	161
147	QUESTIONS IN CETACEAN BIOACOUSTICS: SOME SUGGESTIONS FOR FUTURE RESEARCH. Bioacoustics, 1997, 8, 163-182.	0.7	8
148	A clupeid fish can detect ultrasound. Nature, 1997, 389, 341-341.	13.7	136
149	Hair cell precursors are ultrastructurally indistinguishable from mature support cells in the ear of a postembryonic fish. Hearing Research, 1996, 100, 10-20.	0.9	36
150	Cell proliferation and hair cell addition in the ear of the goldfish, Carassius auratus. Hearing Research, 1996, 100, 1-9.	0.9	40
151	Novel afferent terminal structure in the crista ampullaris of the goldfish,Carassius auratus. , 1996, 366, 572-579.		23
152	COMPARATIVE AND EVOLUTIONARY BIOLOGY OF HEARING AT THE UNIVERSITY OF MARYLAND, COLLEGE PARK, USA. Bioacoustics, 1996, 7, 45-51.	0.7	1
153	The teleost octavolateralis system: Structure and function. Marine and Freshwater Behaviour and Physiology, 1996, 27, 95-110.	0.4	8
154	Effects of lowâ€frequency underwater sound on hair cells of the inner ear and lateral line of the teleost fish Astronotus ocellatus. Journal of the Acoustical Society of America, 1996, 99, 1759-1766.	0.5	99
155	Hair Cell Orientation Patterns on the Saccules of Juvenile and Adult Toadfish, Opsanus tau. Acta Zoologica, 1995, 76, 257-265.	0.6	34
156	Hair Cell Heterogeneity in the Goldfish Saccule. Brain, Behavior and Evolution, 1995, 46, 362-370.	0.9	27
157	The Octavolateralis System and Mauthner Cell: Interactions and Questions. Brain, Behavior and Evolution, 1995, 46, 124-130.	0.9	18
158	Structural Diversity in the Inner Ear of Teleost Fishes: Implications for Connections to the Mauthner Cell. Brain, Behavior and Evolution, 1995, 46, 131-140.	0.9	13
159	Damage and recovery of hair cells in fish canal (but not superficial) neuromasts after gentamicin exposure. Hearing Research, 1995, 91, 63-71.	0.9	102
160	Quantitative analyses of postembryonic hair cell addition in the otolithic endorgans of the inner ear of the european hake,merluccius merluccius (gadiformes, teleostei). Journal of Comparative Neurology, 1994, 345, 419-428.	0.9	116
161	Modes of neuronal arbor enlargement in the ear of a postembryonic fish, Astronotus ocellatus. Cell and Tissue Research, 1993, 274, 97-103.	1.5	3
162	Two types of sensory hair cell in the saccule of a teleost fish. Hearing Research, 1993, 64, 211-216.	0.9	27

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163	Damage and regeneration of hair cell ciliary bundles in a fish ear following treatment with gentamicin. Hearing Research, 1993, 64, 166-174.	0.9	117
164	Sound Detection and Processing by Fish: Critical Review and Major Research Questions (Part 1 of 2). Brain, Behavior and Evolution, 1993, 41, 14-25.	0.9	313
165	Functional Aspects of the Evolution of the Auditory System of Actinopterygian Fish. , 1992, , 295-322.		101
166	Central-Peripheral and Rostral-Caudal Organization of the Innervation of the Saccule in a Cichlid Fish. Brain, Behavior and Evolution, 1992, 39, 197-207.	0.9	16
167	Auditory sensitivity of the cichlid fish Astronotus ocellatus (Cuvier). Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1992, 171, 105-9.	0.7	23
168	Heterogeneity of sensory hair cells in a fish ear. Journal of Comparative Neurology, 1992, 324, 621-640.	0.9	69
169	Spatial and morphological differentiation of trigger zones in afferent fibers to the teleost utricle. Journal of Comparative Neurology, 1990, 302, 629-642.	0.9	19
170	Possible precursors to new hair cells, support cells, and Schwann cells in the ear of a post-embryonic fish. Hearing Research, 1990, 46, 9-21.	0.9	52
171	A ganglionic source of new eighth nerve neurons in a post-embryonic fish. Hearing Research, 1990, 46, 23-28.	0.9	10
172	Growth of a fish ear II. Locations of newly proliferated sensory hair cells in the saccular epithelium of Astronotus ocellatus. Hearing Research, 1990, 45, 33-40.	0.9	75
173	Variations in receptor cell innervation in the saccule of a teleost fish ear. Hearing Research, 1990, 46, 211-227.	0.9	29
174	The Ear as Part of the Octavolateralis System. , 1989, , 633-651.		19
175	Transmission electron microscopic study of the saccule in the embryonic, larval, and adult toadfishOpsanus tau. Journal of Morphology, 1988, 198, 49-69.	0.6	17
176	Processing of acoustic signals in the auditory system of bony fish. Journal of the Acoustical Society of America, 1988, 83, 338-349.	0.5	85
177	Role of the Fish Ear in Sound Processing. , 1988, , 687-710.		43
178	Sensory and Nonsensory Ciliated Cells In the Ear of the Sea Lamprey, Petromyzon marinus. Brain, Behavior and Evolution, 1987, 30, 43-61.	0.9	36
179	Sound reception in two anabantid fishes. Comparative Biochemistry and Physiology A, Comparative Physiology, 1987, 88, 37-44.	0.7	26
180	The ultrastructure and innervation of the ear of the gar,Lepisosteus osseus. Journal of Morphology, 1987, 194, 129-142.	0.6	23

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181	Gross and ultrastructural development of the saccule of the toadfishOpsanus tau. Journal of Morphology, 1987, 194, 323-348.	0.6	30
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